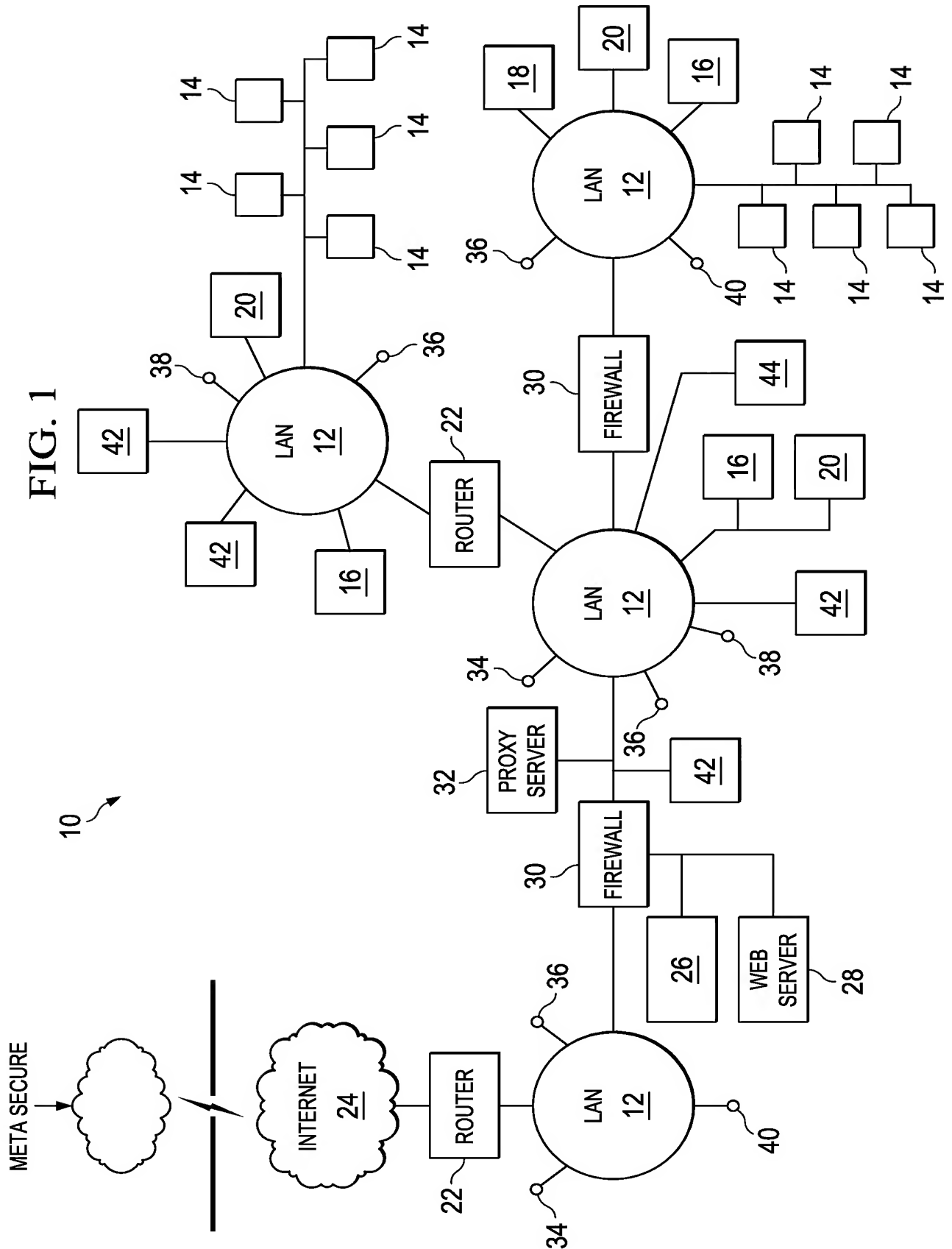


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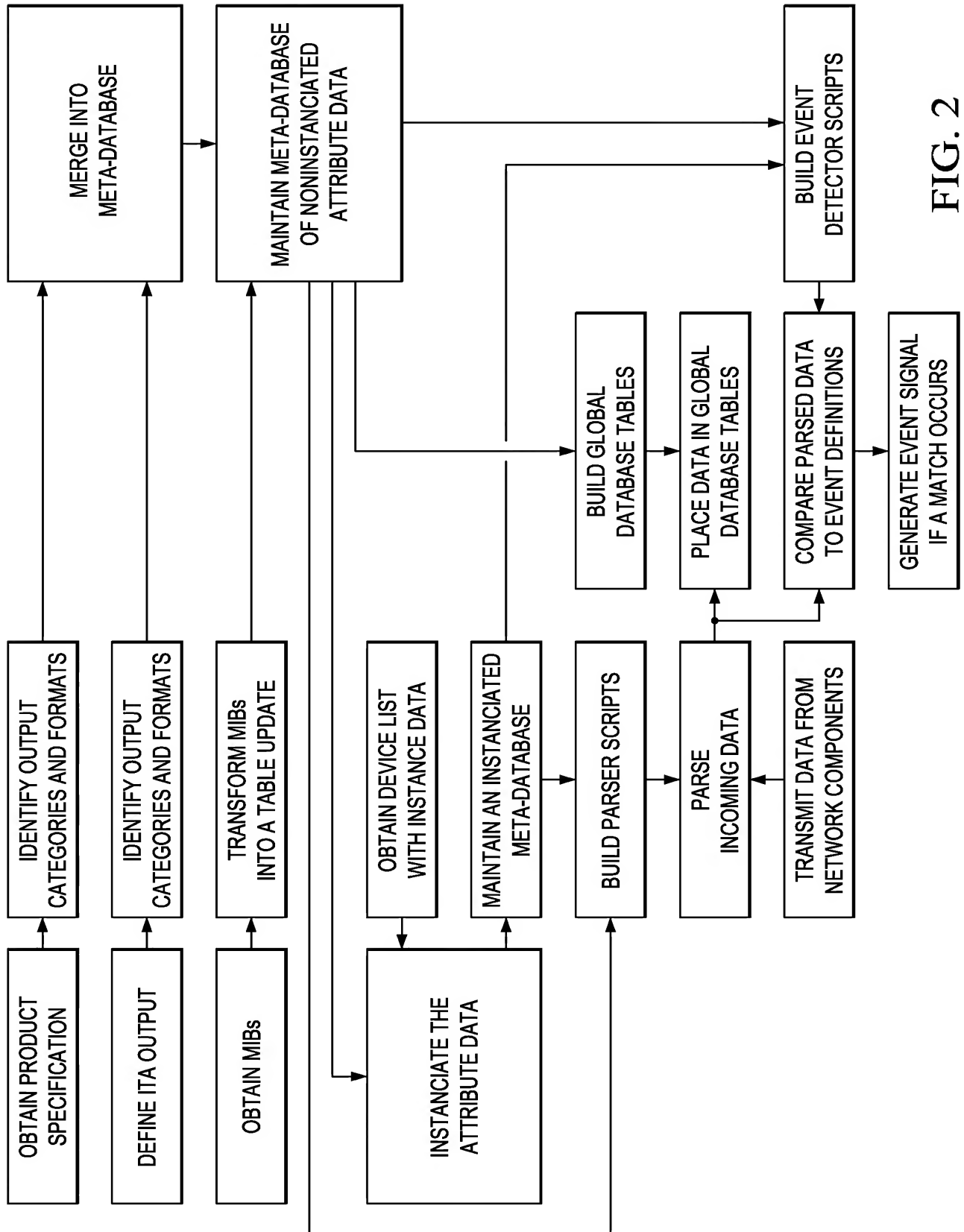
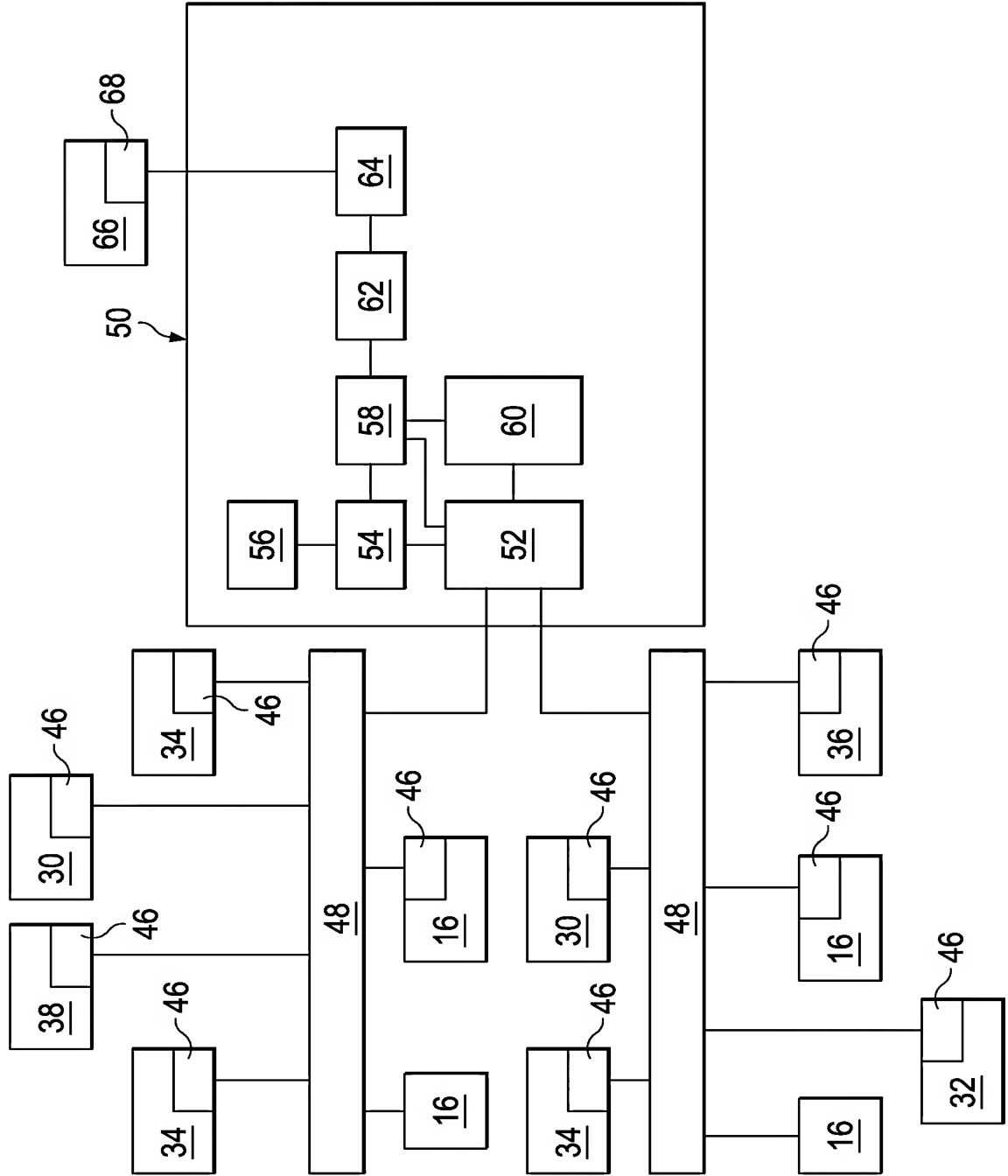


FIG. 2



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FIG. 3





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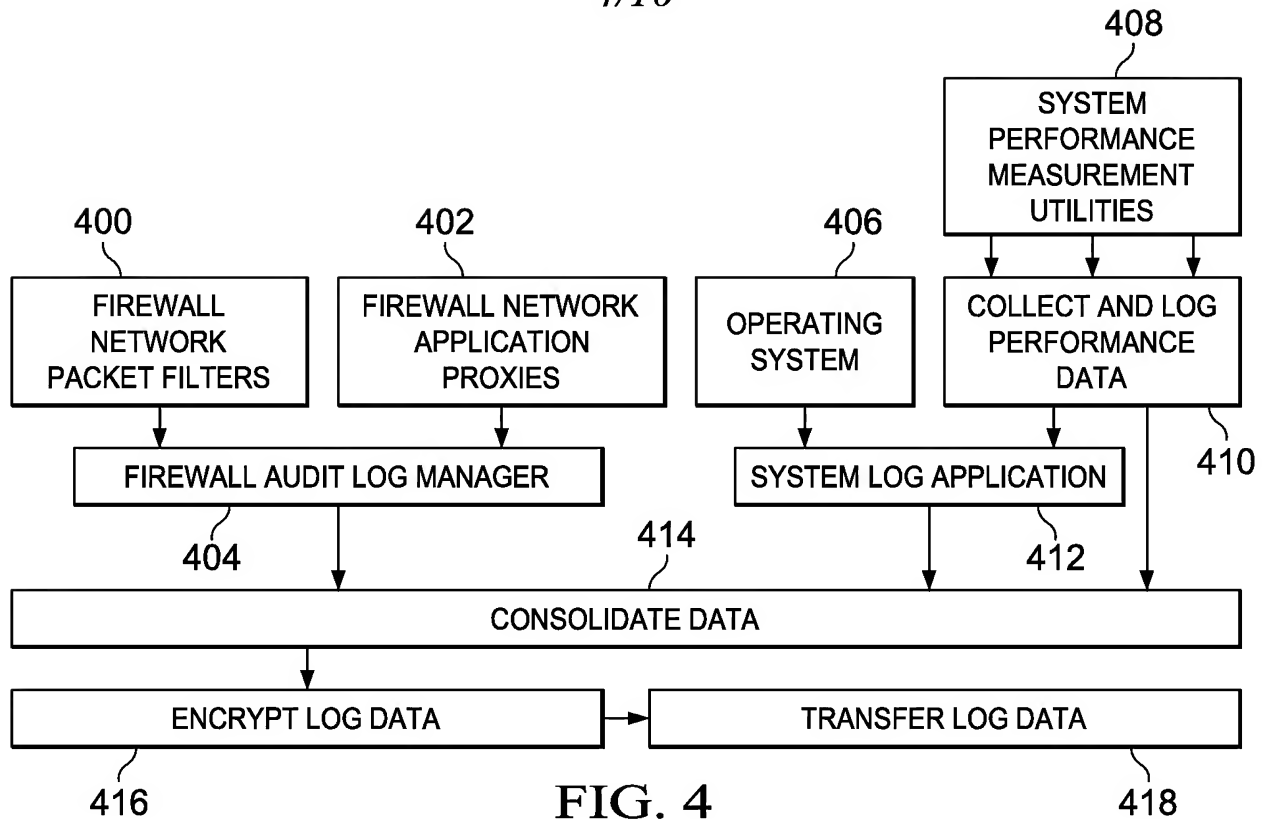


FIG. 4

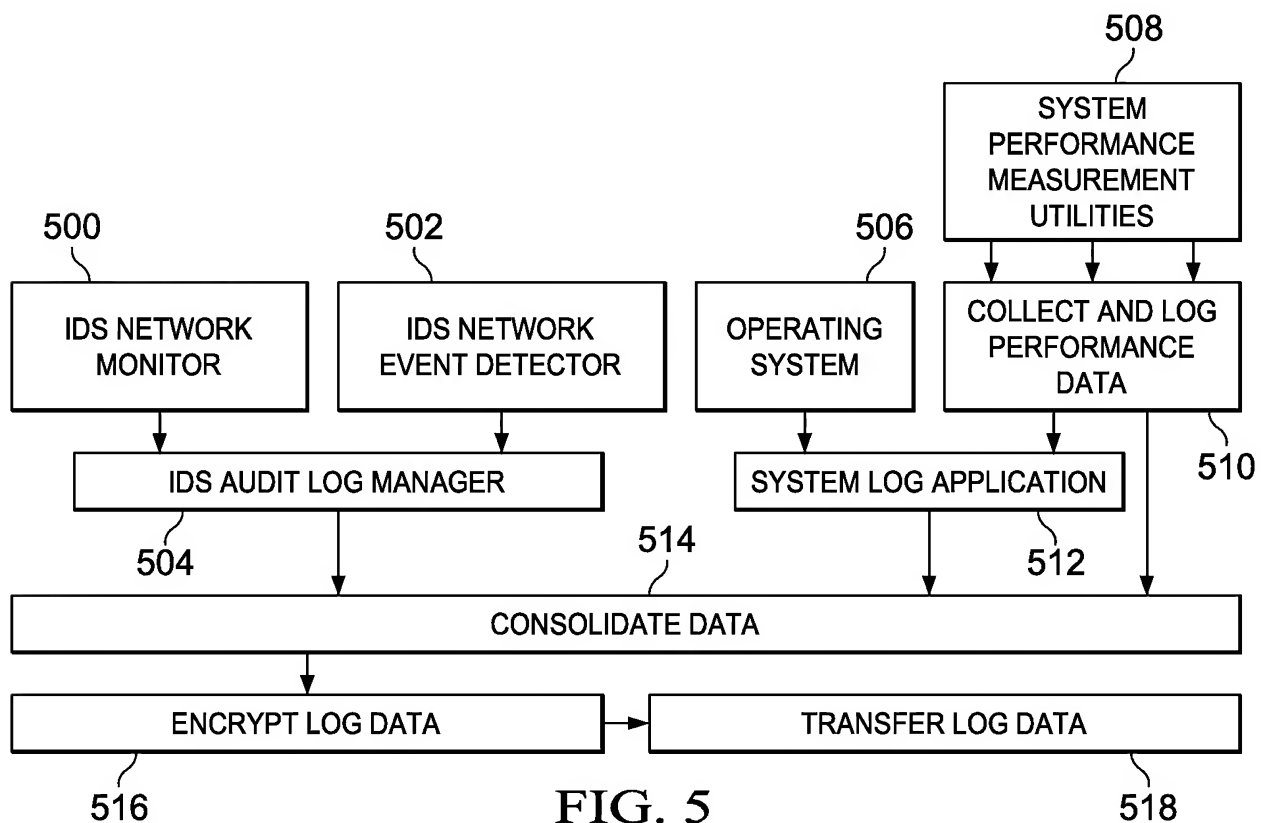


FIG. 5



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| XACTION ID | NAME                | DESCRIPTION   | STREAM ID | SYSTEM TYPE ID | CONDITIONAL      |
|------------|---------------------|---|-----------|----------------|------------------|
| X200154    | NETWORK TRANSACTION | A RECORD OF A NETWORK TRANSACTION THROUGH A CYBERGUARD FIREWALL             | R100204   | T100001        | (\$ACTION **"T") |
| X317189    | CPU UTILIZATION     | A RECORD OF CPU PERCENT IDLE, PERCENT SYSTEM, PERCENT I/O, AND PERCENT USER | R113203   | T100001        | TRUE             |

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| SYSTEM TYPE ID | MAKE            | MODEL   | TITLE                        | LOAD       | VERSION | REVISION | PATCH |
|----------------|-----------------|---------|------------------------------|------------|---------|----------|-------|
| T100001        | CYBERGUARD CORP | 3412-02 | CYBERGUARD FIREWALL FOR UNIX | CYBERGUARD | 2       | 2.3      | 11    |

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| STREAM ID | STREAM TYPE          | STREAM PATH                  | END OF RECORD | END OF FIELD |
|-----------|----------------------|------------------------------|---------------|--------------|
| R100204   | DELIMITED_FLAT_FILE  | /VAR/AUDIT_LOGS/OLD/NETGUARD | NEWLINE       | SPACE        |
| R113203   | FIXED_FORM_FLAT_FILE | /STORE/COMPRESSED/STAT.LOG   | NEWLINE       | N_A          |

FIG. 6



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ELEMENT TABLE

| XACTION ID | ELEMENT ID | NAME                | DESCRIPTION  |
|------------|------------|---------------------|--|
| X200154    | E312073    | DATE                | DATE OF NETWORK TRANSACTION                                  |
| X200154    | E312074    | TIME                | TIME OF NETWORK TRANSACTION                                  |
| X200154    | E312075    | ACTION              | TRANSACTION TYPE   |
| X200154    | E312076    | SOURCE_IF           | NAME OF SOURCE FIREWALL NETWORK INTERFACE                    |
| X200154    | E312077    | DESTINATION_IF      | NAME OF DESTINATION FIREWALL NETWORK INTERFACE               |
| X200154    | E312078    | SOURCE_ADDRESS      | SOURCE IP ADDRESS OF PACKET                                  |
| X200154    | E312079    | DESTINATION_ADDRESS | DESTINATION IP ADDRESS OF PACKET                             |
| X200154    | E312080    | PROTOCOL            | IP PROTOCOL OF PACKET  |
| X200154    | E312081    | SOURCE_PORT         | SOURCE PORT NUMBER/ SERVICE NAME OF PACKET OR ICMP TYPE      |
| X200154    | E312082    | DESTINATION_PORT    | DESTINATION PORT NUMBER/ SERVICE NAME OF PACKET OR ICMP TYPE |
| X200154    | E312083    | PACKETS_SENT        | NUMBER OF PACKETS PASSED FROM SOURCE TO DESTINATION          |
| X200154    | E312084    | PACKETS_RECEIVED    | NUMBER OF PACKETS PASSED FROM DESTINATION TO SOURCE          |
| X200154    | E312085    | BYTES_SENT          | NUMBER OF BYTES PASSED FROM SOURCE TO DESTINATION            |
| X200154    | E312086    | BYTES_RECEIVED      | NUMBER OF BYTES PASSED FROM DESTINATION TO SOURCE            |
| X317189    | E444120    | DATE                | DATE OF MEASUREMENT  |
| X317189    | E444121    | TIME                | TIME OF MEASUREMENT  |
| X317189    | E444122    | CPU IDLE            | PERCENT CPU IDLE   |
| X317189    | E444123    | SYSTEM PERCENTILE   | PERCENT OF CPU USED FOR SYSTEM TASKS                         |
| X317189    | E444124    | I/O PERCENTILE      | PERCENT OF CPU USED FOR I/O TASKS                            |
| X317189    | E444125    | USER PERCENTILE     | PERCENT OF CPU USED FOR USER TASKS                           |

TO FIG. 7A-2

FIG. 7A-1



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ELEMENT TABLE

| LEGAL<br>VALUE  | DATA<br>UNIT | REFRESH<br>PERIOD | SAMPLE<br>PERIOD | PERIOD<br>UNIT | AGGREGATE |
|-----------------|--------------|-------------------|------------------|----------------|-----------|
| DATE_ISO        | N_A          | ASync             | Sync             | N_A            | N_A       |
| TIME_24         | N_A          | ASync             | Sync             | N_A            | N_A       |
| CHAR            | N_A          | ASync             | Sync             | N_A            | N_A       |
| ALPHANUMERIC    | N_A          | ASync             | Sync             | N_A            | N_A       |
| ALPHANUMERIC    | N_A          | ASync             | Sync             | N_A            | N_A       |
| IP_4            | N_A          | ASync             | Sync             | N_A            | N_A       |
| IP_4            | N_A          | ASync             | Sync             | N_A            | N_A       |
| IP_PROTOCOL     | N_A          | ASync             | Sync             | N_A            | N_A       |
| ALPHANUMERIC    | N_A          | ASync             | Sync             | N_A            | N_A       |
| ALPHANUMERIC    | N_A          | ASync             | Sync             | N_A            | N_A       |
| UNSIGNED_INT_32 | COUNT        | ASync             | Sync             | N_A            | N_A       |
| UNSIGNED_INT_32 | COUNT        | ASync             | Sync             | N_A            | N_A       |
| UNSIGNED_INT_32 | COUNT        | ASync             | Sync             | N_A            | N_A       |
| UNSIGNED_INT_32 | COUNT        | ASync             | Sync             | N_A            | N_A       |
| DATE_ISO        | N_A          | 1                 | 10               | MINUTE         | AVERAGE   |
| TIME_24         | N_A          | 1                 | 10               | MINUTE         | AVERAGE   |
| UNSIGNED_INT_16 | PERCENT      | 1                 | 10               | MINUTE         | AVERAGE   |
| UNSIGNED_INT_16 | PERCENT      | 1                 | 10               | MINUTE         | AVERAGE   |
| UNSIGNED_INT_16 | PERCENT      | 1                 | 10               | MINUTE         | AVERAGE   |
| UNSIGNED_INT_16 | PERCENT      | 1                 | 10               | MINUTE         | AVERAGE   |

FROM FIG. 7A-1

FIG. 7A-2



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DELIMITED FLAT FILE TABLE

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| ELEMENT ID | ENCODING    | RECORD NUMBER | FIELD NUMBER | SUBFIELD DELIMITED | SUBFIELD NUMBER | START IN FIELD | END IN FIELD |
|------------|-------------|---------------|--------------|--------------------|-----------------|----------------|--------------|
| E312073    | ASCII_7_BIT | ALL           | 1            | NONE               | 0               | 0              | 0            |
| E312074    | ASCII_7_BIT | ALL           | 2            | NONE               | 0               | 0              | -1           |
| E312075    | ASCII_7_BIT | ALL           | 3            | NONE               | 0               | 0              | 0            |
| E312076    | ASCII_7_BIT | ALL           | 4            | /                  | 1               | 0              | 0            |
| E312077    | ASCII_7_BIT | ALL           | 4            | /                  | 2               | 0              | 0            |
| E312078    | ASCII_7_BIT | ALL           | 5            | NONE               | 0               | 0              | 0            |
| E312079    | ASCII_7_BIT | ALL           | 6            | NONE               | 0               | 0              | 0            |
| E312080    | ASCII_7_BIT | ALL           | 7            | NONE               | 0               | 0              | 0            |
| E312081    | ASCII_7_BIT | ALL           | 8            | NONE               | 0               | 0              | 0            |
| E312082    | ASCII_7_BIT | ALL           | 9            | NONE               | 0               | 0              | 0            |
| E312083    | ASCII_7_BIT | ALL           | 10           | NONE               | 0               | 0              | 0            |
| E312084    | ASCII_7_BIT | ALL           | 11           | NONE               | 0               | 0              | 0            |
| E312085    | ASCII_7_BIT | ALL           | 12           | NONE               | 0               | 0              | 0            |
| E312086    | ASCII_7_BIT | ALL           | 13           | NONE               | 0               | 0              | 0            |

FIG. 7B

FIXED FORM FLAT FILE TABLE

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| ELEMENT ID | ENCODING    | RECORD NUMBER | START IN RECORD | END IN RECORD |
|------------|-------------|---------------|-----------------|---------------|
| E444120    | ASCII_7_BIT | ALL           | 1               | 10            |
| E444121    | ASCII_7_BIT | ALL           | 12              | 19            |
| E444122    | ASCII_7_BIT | ALL           | 21              | 23            |
| E444123    | ASCII_7_BIT | ALL           | 24              | 26            |
| E444124    | ASCII_7_BIT | ALL           | 27              | 29            |
| E444125    | ASCII_7_BIT | ALL           | 30              | 32            |

FIG. 7C



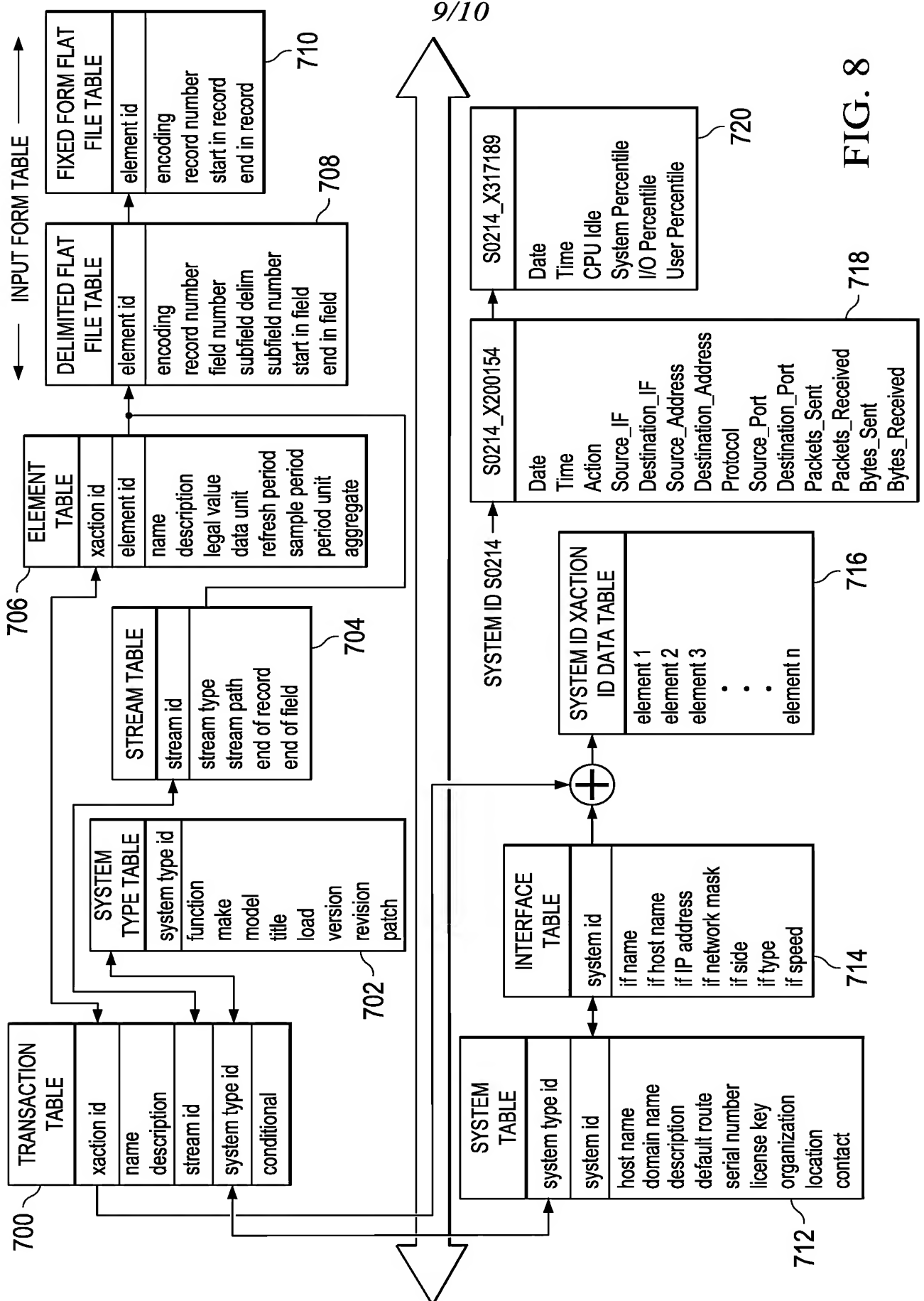


FIG. 8



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**FIG. 9**

1999/10/2709:00:00043004010023  
1999/10/2709:10:00022003005010  
1999/10/2709:20:00043004010023  
1999/10/2709:30:00043004010023  
1999/10/2709:40:00043004010023  
1999/10/2709:50:00043004010023

**S0214\_X317189 DATA TABLE**

| DATE       | TIME    | CPU<br>IDLE | SYSTEM<br>PERCENTILE | I/O<br>PERCENTILE | USER<br>PERCENTILE |
|------------|---------|-------------|----------------------|-------------------|--------------------|
| 1999/10/27 | 9:00:00 | 43          | 4                    | 10                | 23                 |
| 1999/10/27 | 9:10:00 | 22          | 3                    | 5                 | 10                 |
| 1999/10/27 | 9:20:00 | 43          | 4                    | 10                | 23                 |
| 1999/10/27 | 9:30:00 | 43          | 4                    | 10                | 23                 |
| 1999/10/27 | 9:40:00 | 43          | 4                    | 10                | 23                 |
| 1999/10/27 | 9:50:00 | 43          | 4                    | 10                | 23                 |

**FIG. 10**